

Data File : VU034829.D
Acq On : 26 Sep 2019 01:49
Operator : JC/SP
Sample : K4983-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL3

Quant Time: Sep 26 07:04:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	458419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	428355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	207253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	186508	39.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.48%
7) Chloroethane-d5	1.67	69	162394	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.26	63	252552	31.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.56%
21) 2-Butanone-d5	4.15	46	422655	117.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.51%
24) Chloroform-d	4.62	84	321710	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.29	65	223680	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
32) Benzene-d6	5.32	84	682153	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.31	67	235358	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.54	98	660697	52.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.62%
43) trans-1,3-Dichloropropene-	7.83	79	102228	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
47) 2-Hexanone-d5	8.29	63	287826	123.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.49%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	331471	51.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.96%
64) 1,2-Dichlorobenzene-d4	11.84	152	240173	55.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.52%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.26	96	2402	0.801 ug/L #	1
13) Acetone	2.31	43	154285	36.875 ug/L	97
15) Methyl Acetate	2.61	43	8383	1.500 ug/L	96
16) Methylene chloride	2.68	84	3127839	823.284 ug/L	95
22) 2-Butanone	4.25	43	57037	11.459 ug/L	99
33) Benzene	5.37	78	83412	5.615 ug/L	100
40) 4-Methyl-2-pentanone	7.40	43	107266	12.701 ug/L #	58
42) Toluene	7.62	91	140564	8.755 ug/L	97
51) Chlorobenzene	9.10	112	9226	0.945 ug/L #	85
52) Ethylbenzene	9.23	91	90977	5.032 ug/L	99
53) m,p-Xylene	9.35	106	308126	48.116 ug/L	100
54) o-xylene	9.76	106	207274	32.724 ug/L	98
55) Styrene	9.75	104	11183	1.043 ug/L #	1
56) Isopropylbenzene	10.14	105	29241	1.712 ug/L	94
59) 1,2,3-Trichloropropane	11.46	75	33591	6.080 ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	11202	1.532 ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	50322	6.939 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

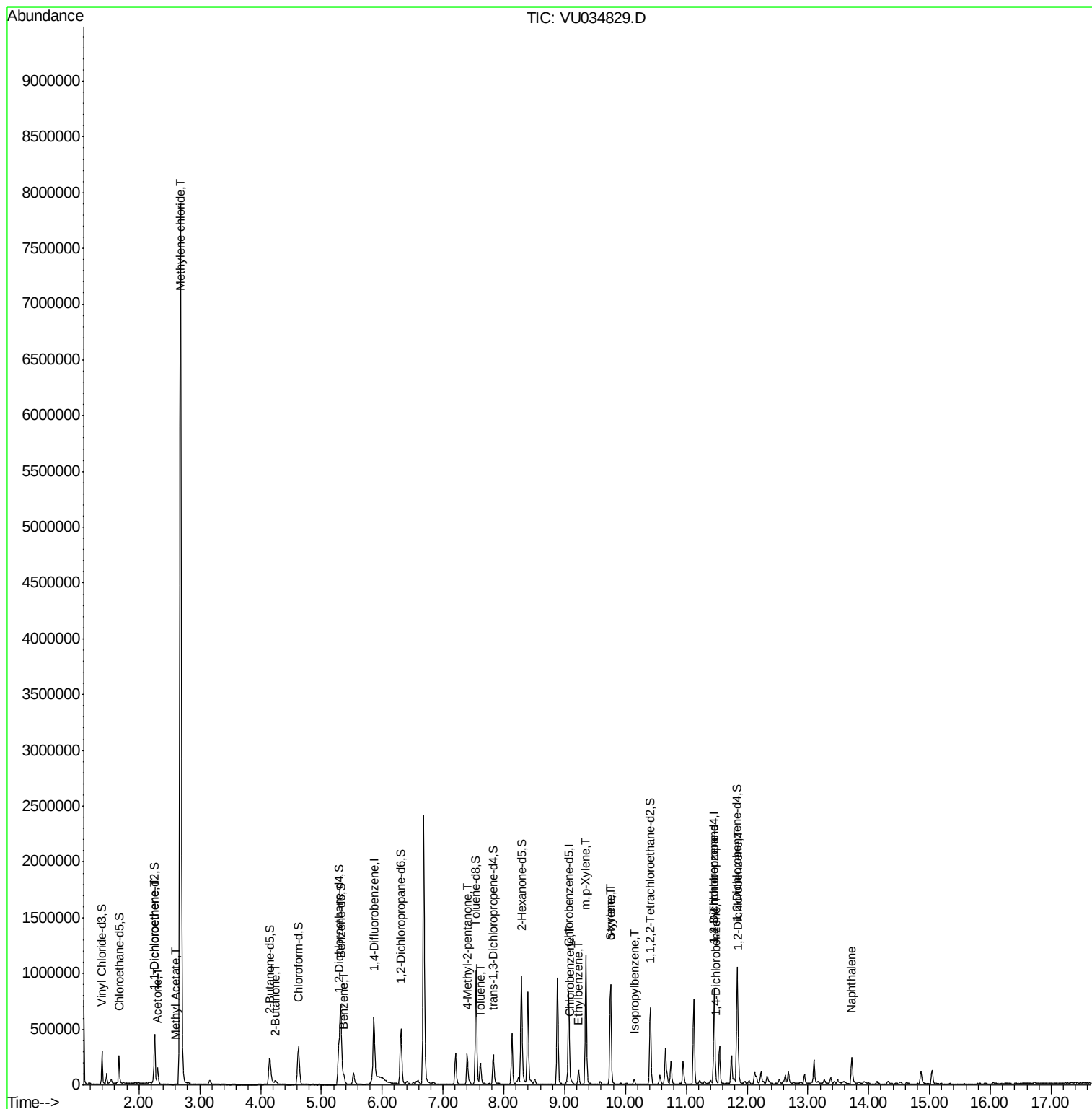
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.72	128	191753	14.647	ug/L	99

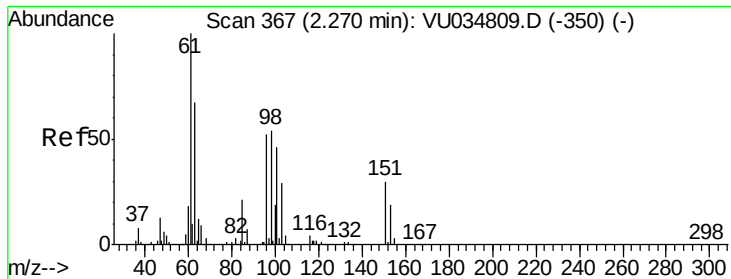
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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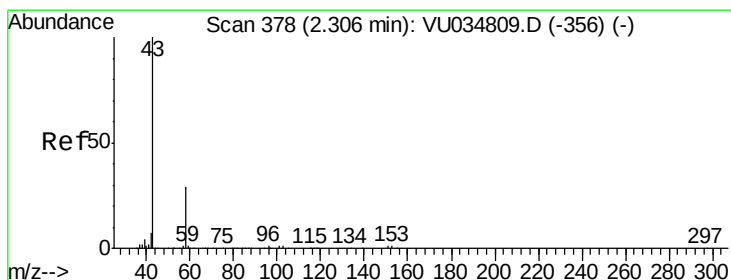
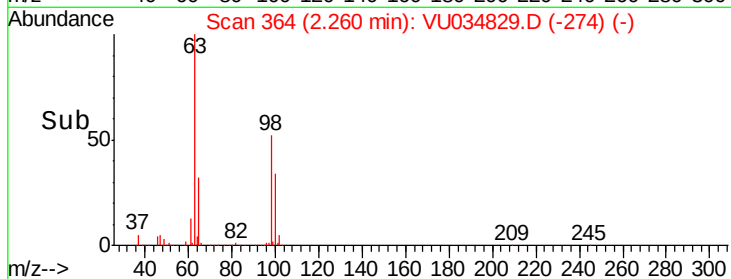
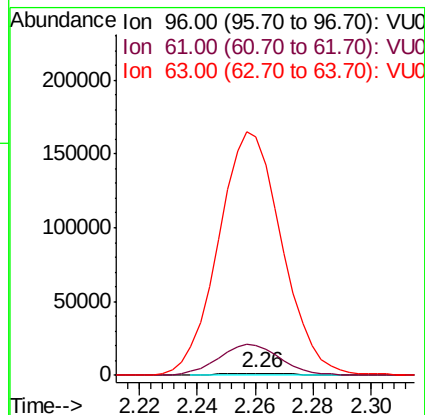
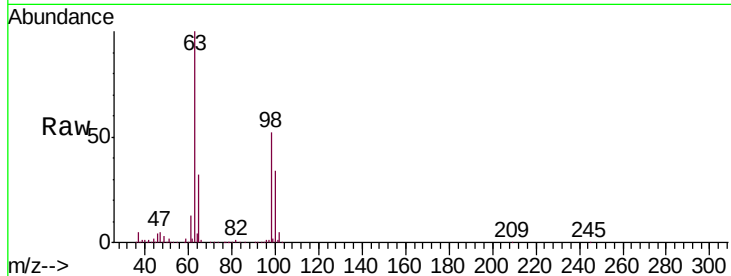




#12
 1,1-Dichloroethene
 Concen: 0.801 ug/L
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

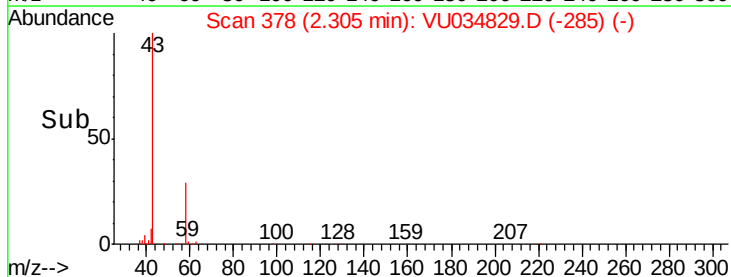
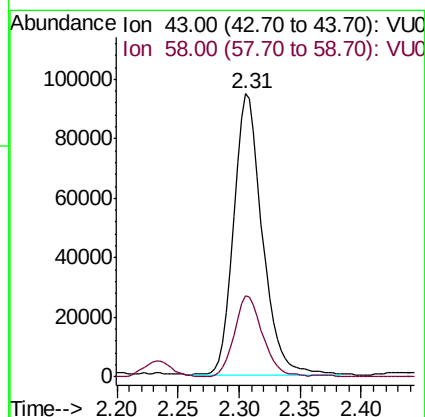
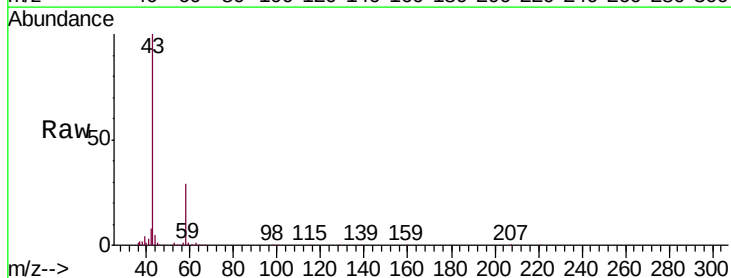
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL3

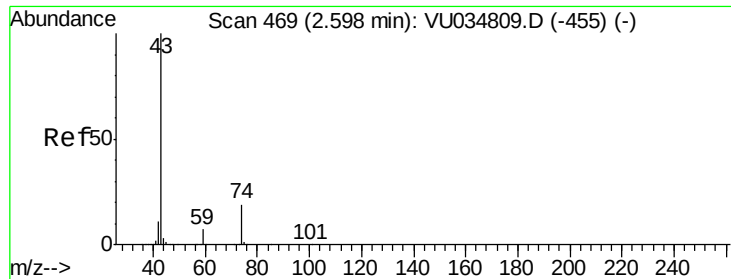
Tgt Ion: 96 Resp: 2402
 Ion Ratio Lower Upper
 96 100
 61 1517.0 153.2 284.4#
 63 11965.6 113.8 211.3#



#13
 Acetone
 Concen: 36.875 ug/L
 RT: 2.31 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Tgt Ion: 43 Resp: 154285
 Ion Ratio Lower Upper
 43 100
 58 28.2 0.0 53.4

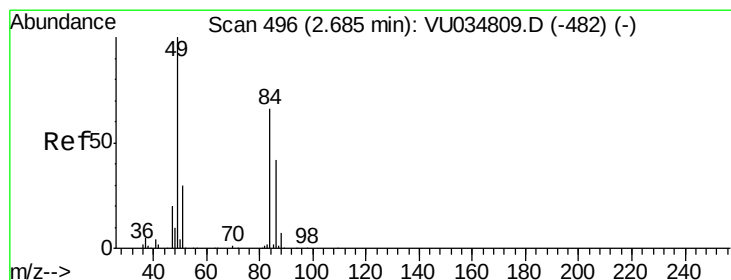
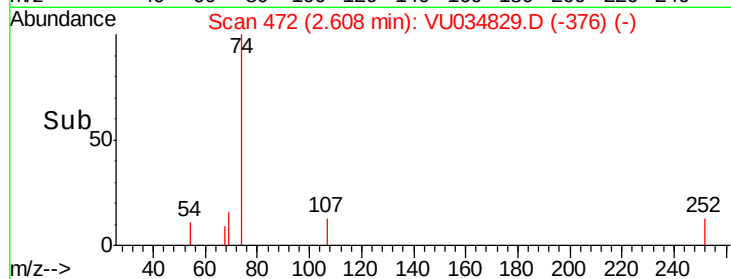
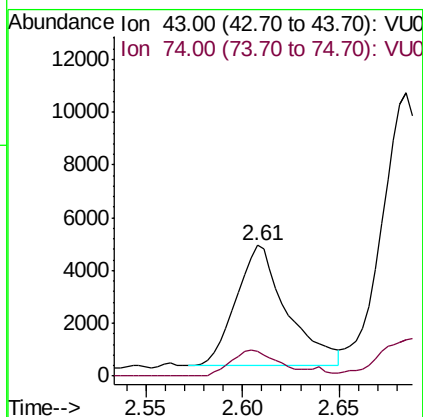
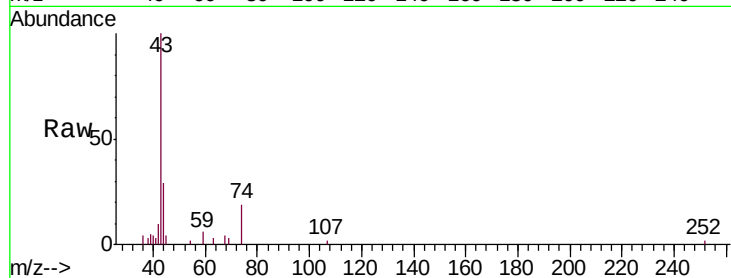




#15
Methyl Acetate
Concen: 1.500 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

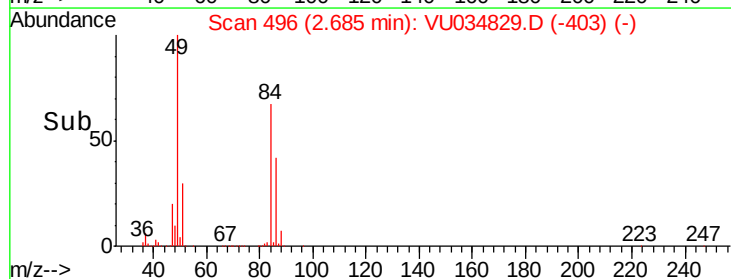
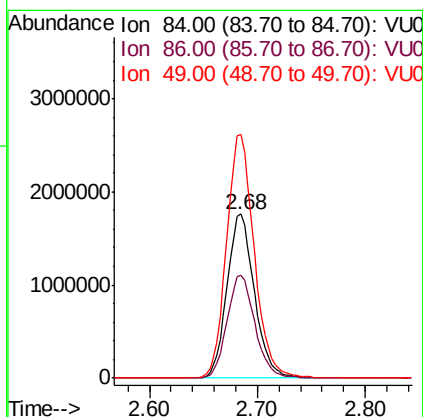
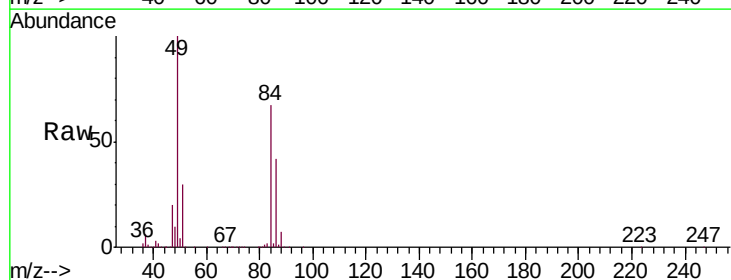
Instrument :
MSVOA_U
ClientSampleId :
BFDL3

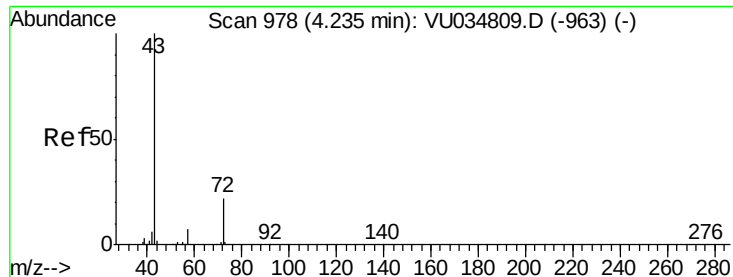
Tgt Ion: 43 Resp: 8383
Ion Ratio Lower Upper
43 100
74 19.7 14.4 21.6



#16
Methylene chloride
Concen: 823.284 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

Tgt Ion: 84 Resp: 3127839
Ion Ratio Lower Upper
84 100
86 63.0 43.0 80.0
49 148.6 109.7 203.7





#22

2-Butanone

Concen: 11.459 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

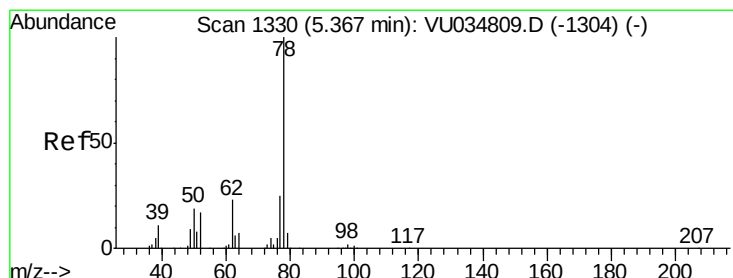
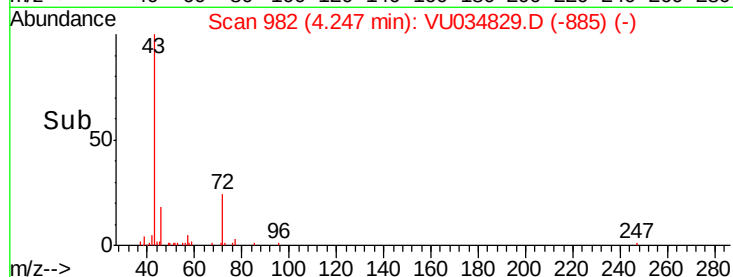
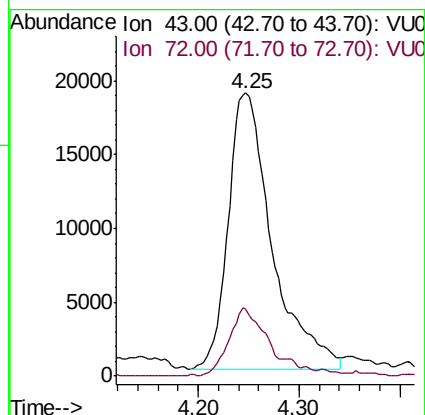
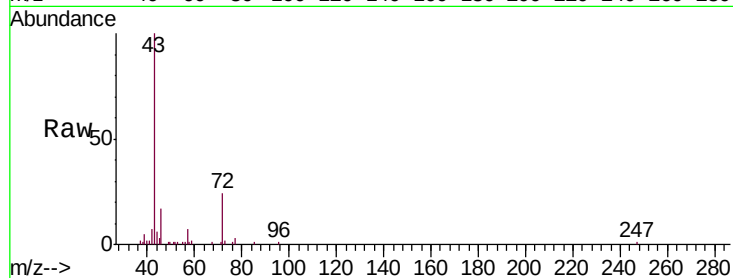
BFDL3

Tgt Ion: 43 Resp: 57037

Ion Ratio Lower Upper

43 100

72 19.9 10.2 30.6



#33

Benzene

Concen: 5.615 ug/L

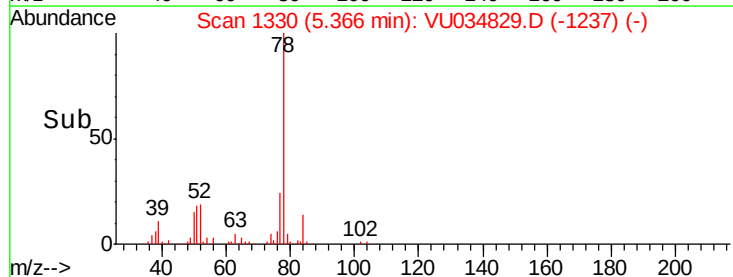
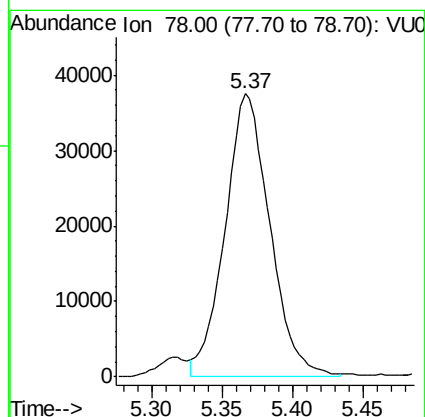
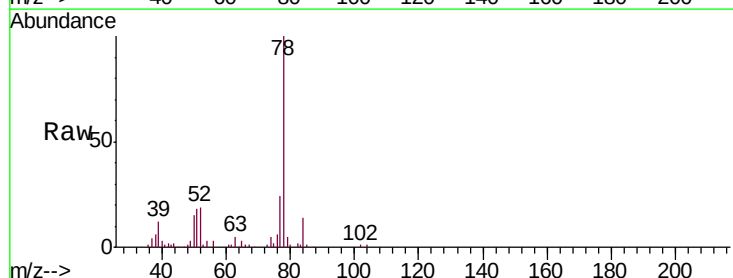
RT: 5.37 min Scan# 1330

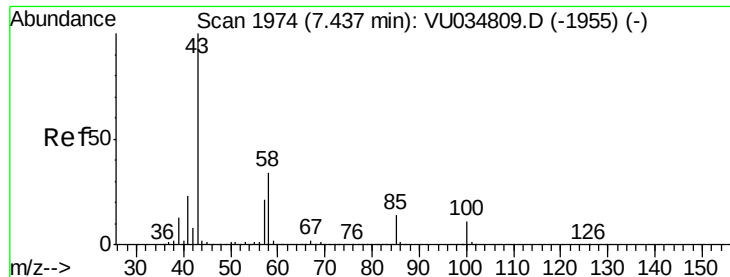
Delta R.T. -0.00 min

Lab File: VU034829.D

Acq: 26 Sep 2019 01:49

Tgt Ion: 78 Resp: 83412

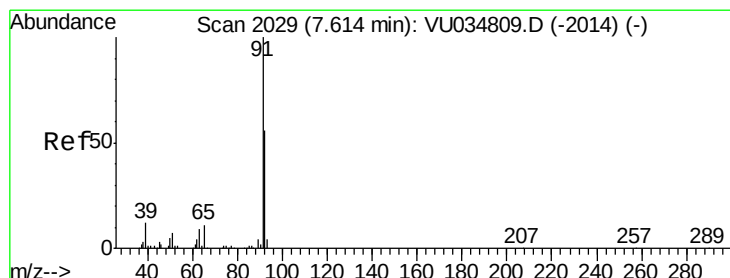
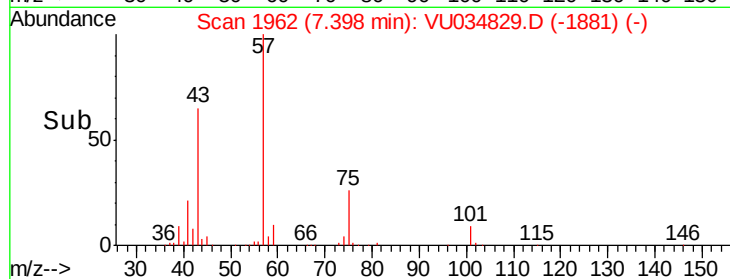
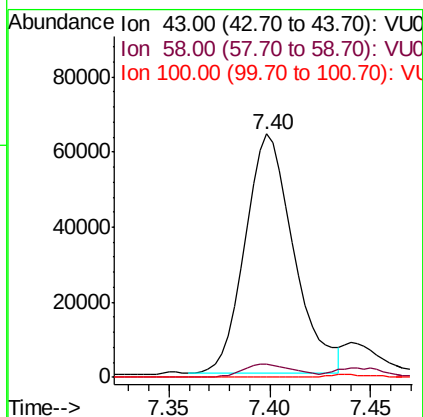
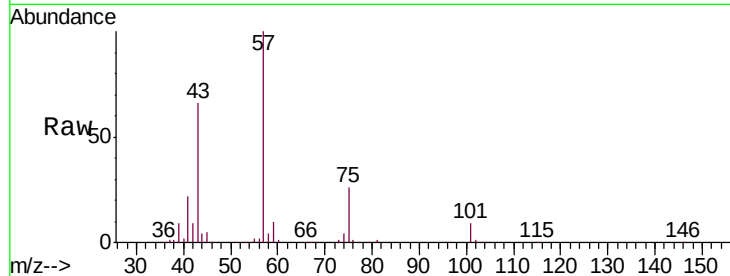




#40
 4-Methyl-2-pentanone
 Concen: 12.701 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

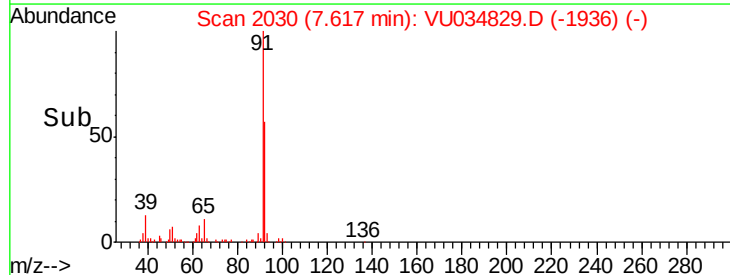
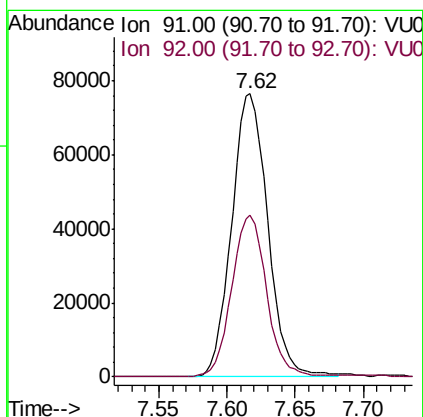
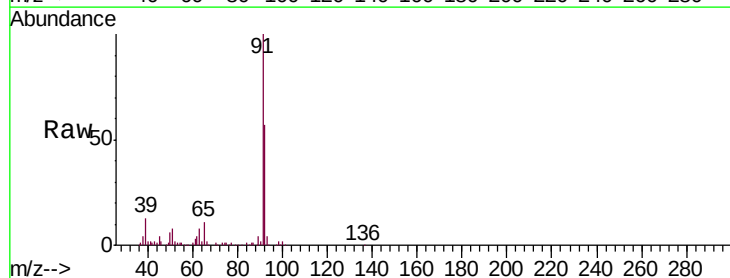
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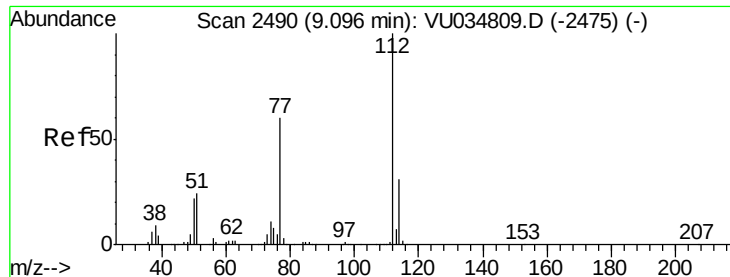
Tgt Ion: 43 Resp: 107266
 Ion Ratio Lower Upper
 43 100
 58 5.8 25.2 37.8#
 100 0.1 7.7 11.5#



#42
 Toluene
 Concen: 8.755 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Tgt Ion: 91 Resp: 140564
 Ion Ratio Lower Upper
 91 100
 92 57.0 38.2 71.0

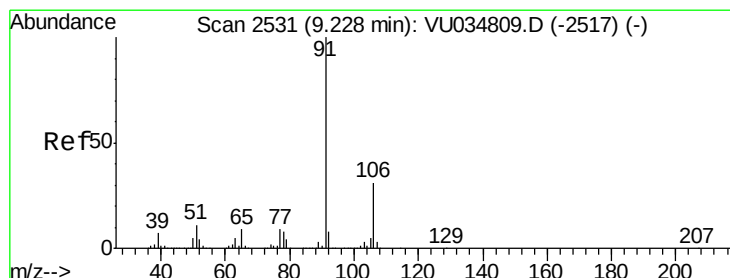
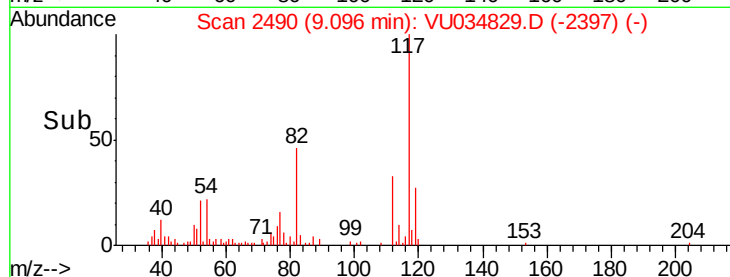
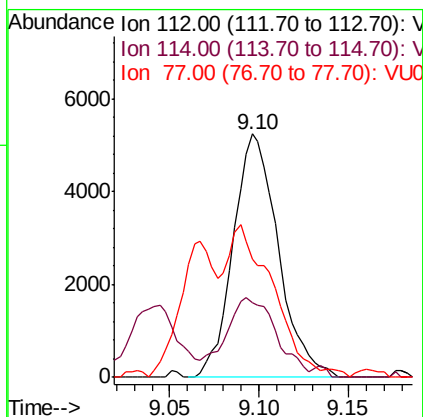
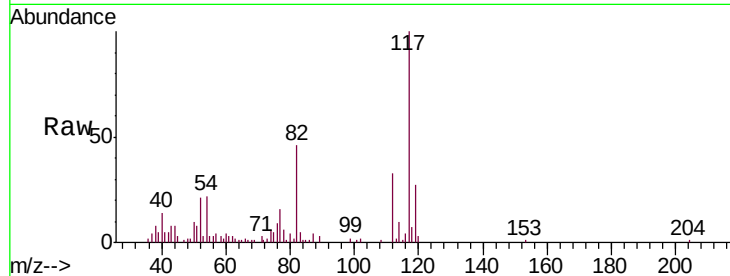




#51
Chlorobenzene
Concen: 0.945 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

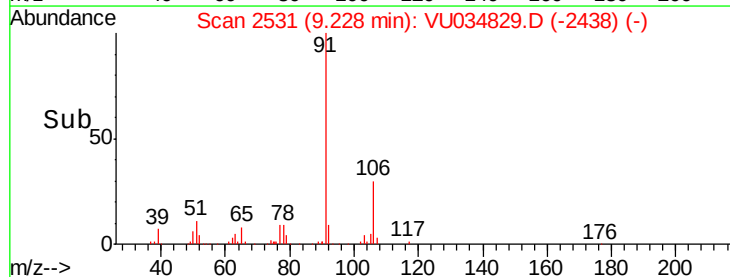
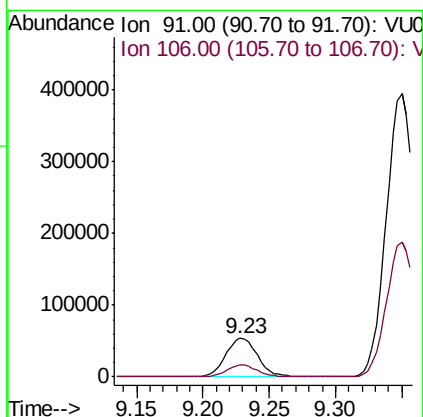
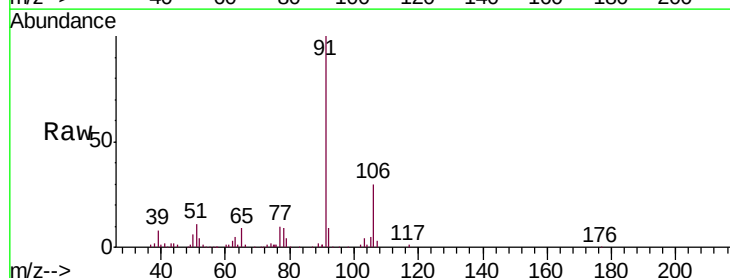
Instrument :
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ClientSampleId :
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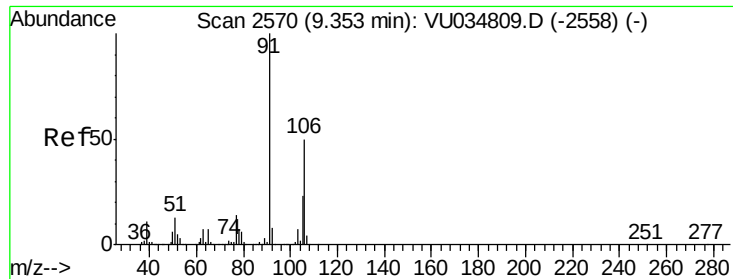
Tgt Ion: 112 Resp: 9226
Ion Ratio Lower Upper
112 100
114 30.6 22.8 42.4
77 48.4 51.5 77.3#



#52
Ethylbenzene
Concen: 5.032 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

Tgt Ion: 91 Resp: 90977
Ion Ratio Lower Upper
91 100
106 30.3 20.6 38.4





#53

m,p-Xylene

Concen: 48.116 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

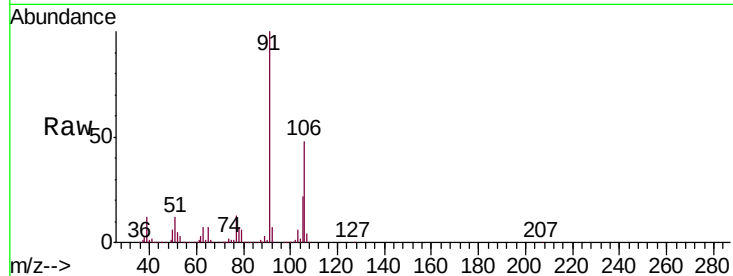
BFDL3

Tgt Ion:106 Resp: 308126

Ion Ratio Lower Upper

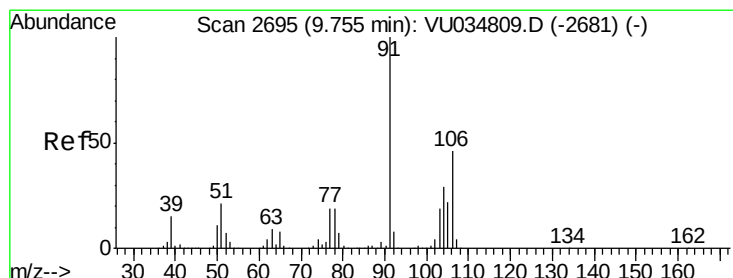
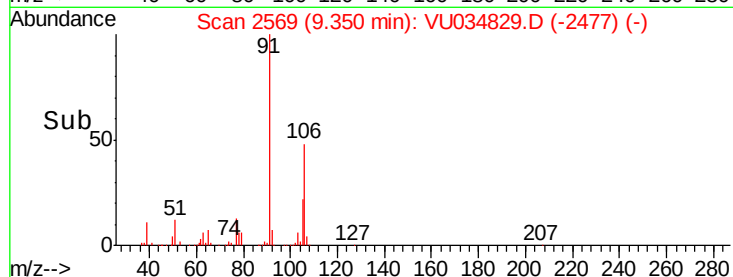
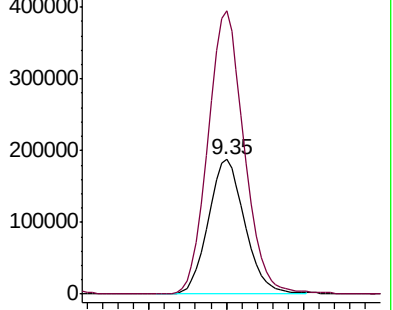
106 100

91 209.9 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 32.724 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034829.D

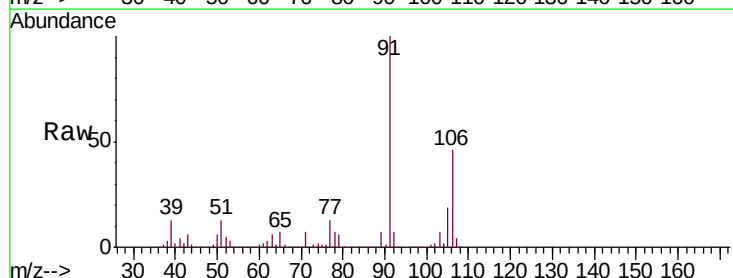
Acq: 26 Sep 2019 01:49

Tgt Ion:106 Resp: 207274

Ion Ratio Lower Upper

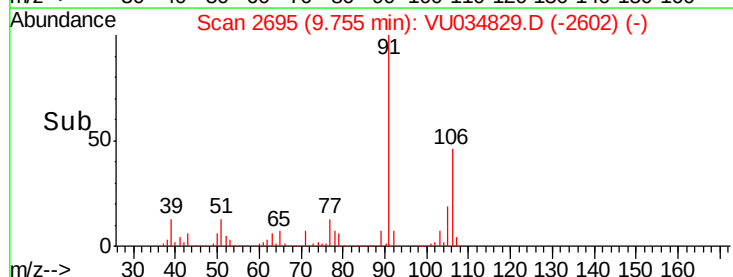
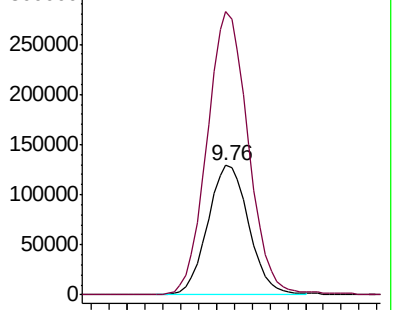
106 100

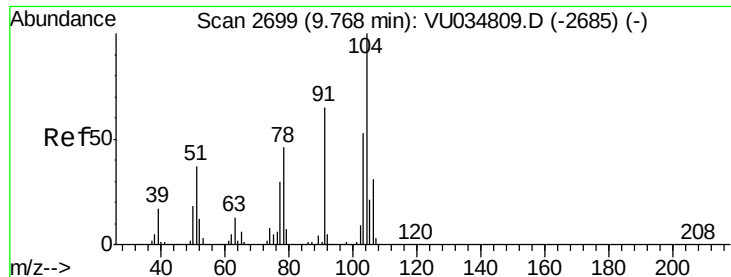
91 218.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

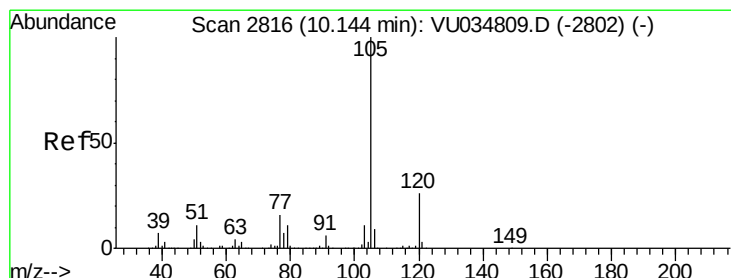
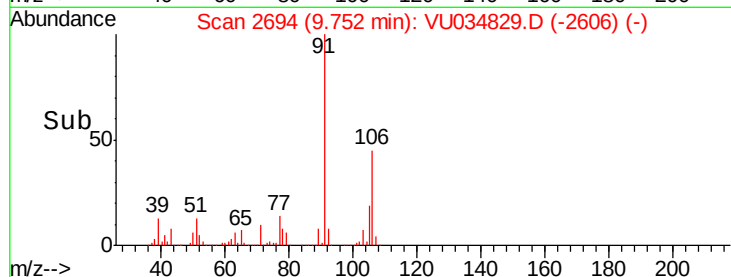
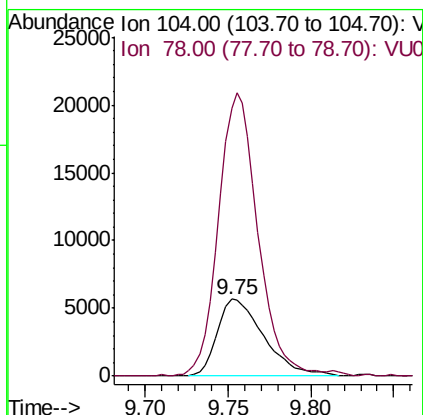
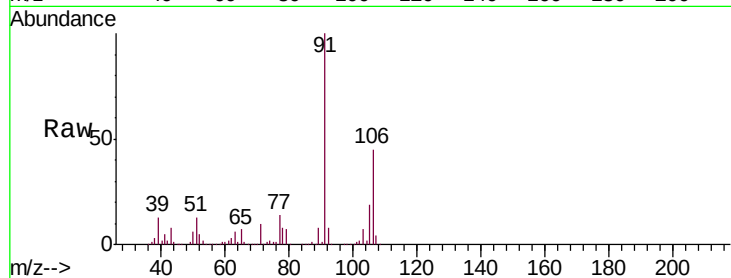




#55
Styrene
Concen: 1.043 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.02 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

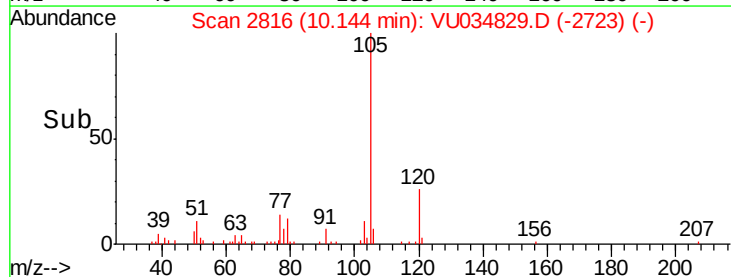
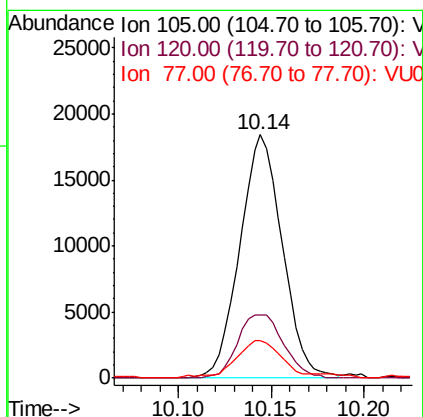
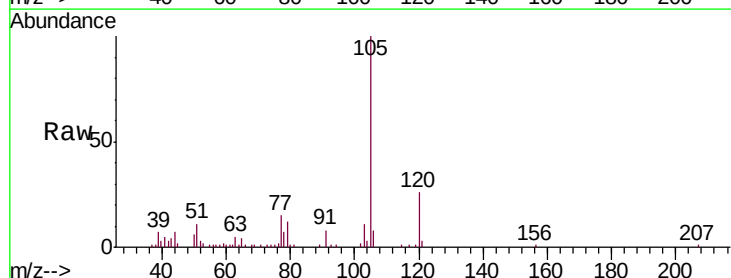
Instrument :
MSVOA_U
ClientSampleId :
BFDL3

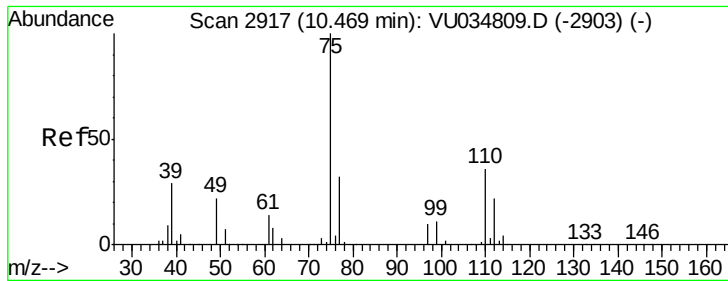
Tgt Ion:104 Resp: 11183
Ion Ratio Lower Upper
104 100
78 350.0 35.1 65.3#



#56
Isopropylbenzene
Concen: 1.712 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034829.D
Acq: 26 Sep 2019 01:49

Tgt Ion:105 Resp: 29241
Ion Ratio Lower Upper
105 100
120 28.3 20.4 30.6
77 15.2 14.2 21.4

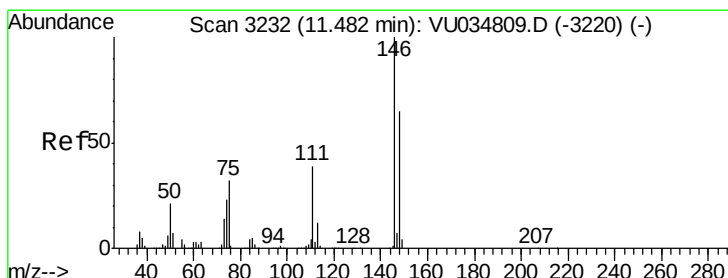
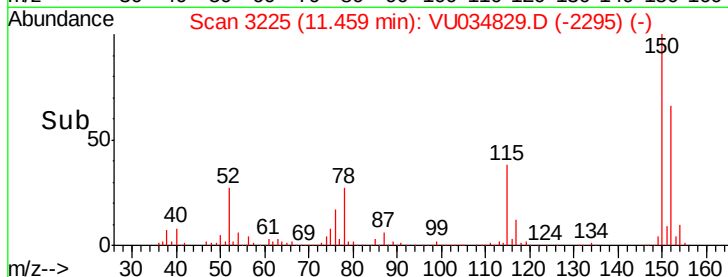
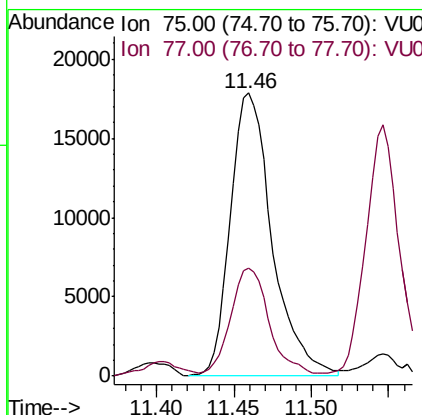
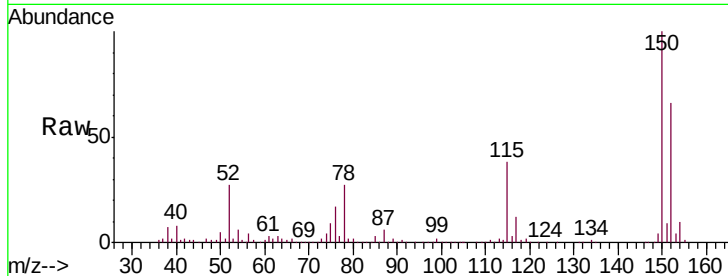




#59
 1,2,3-Trichloropropane
 Concen: 6.080 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

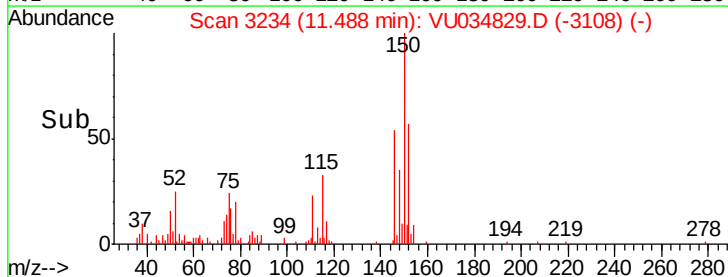
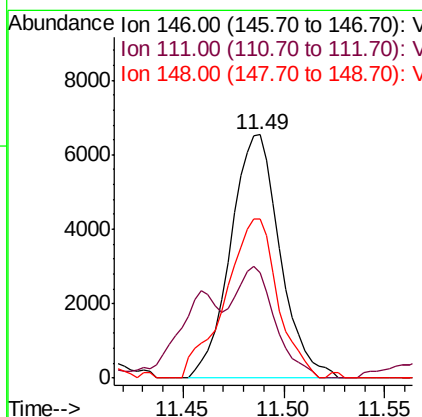
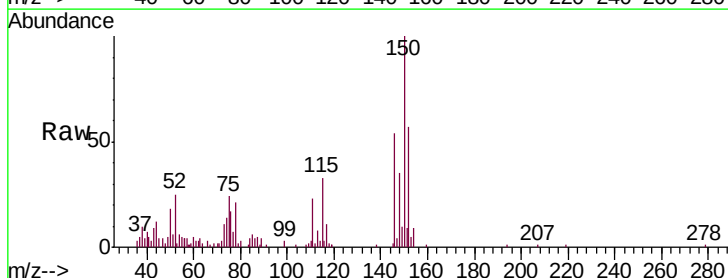
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL3

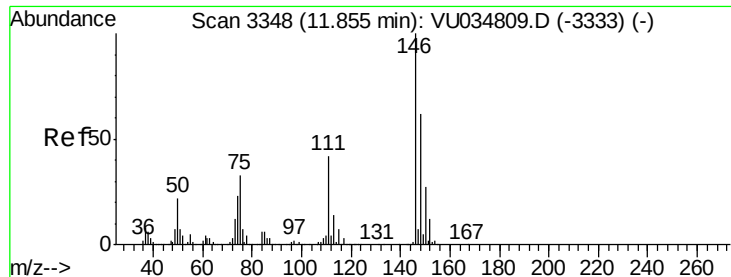
Tgt Ion: 75 Resp: 33591
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.6 37.0



#63
 1,4-Dichlorobenzene
 Concen: 1.532 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.01 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Tgt Ion: 146 Resp: 11202
 Ion Ratio Lower Upper
 146 100
 111 43.4 29.5 54.9
 148 65.5 44.4 82.4

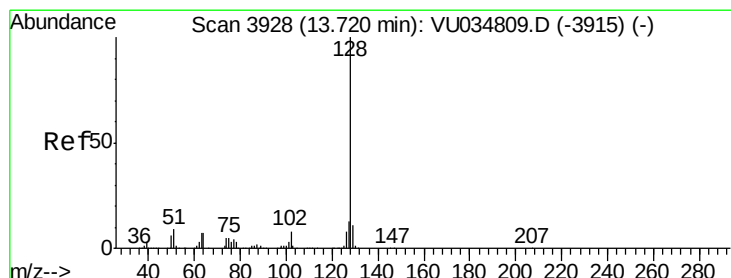
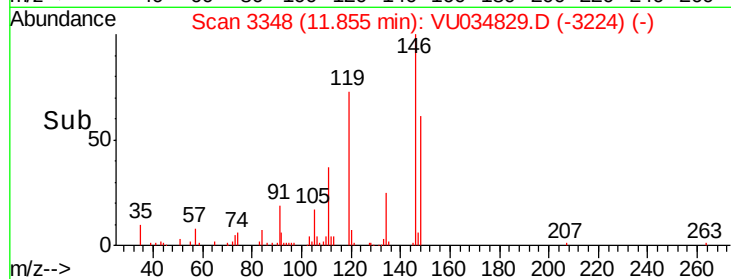
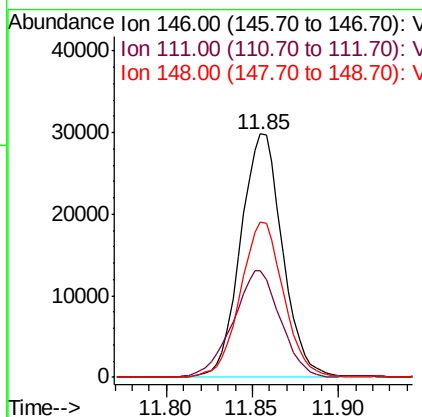
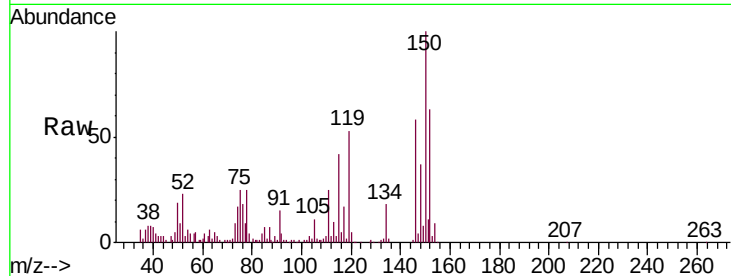




#65
 1,2-Dichlorobenzene
 Concen: 6.939 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL3

Tgt Ion:146 Resp: 50322
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.2 52.8
 148 63.7 53.0 79.6



#69
 Naphthalene
 Concen: 14.647 ug/L
 RT: 13.72 min Scan# 3929
 Delta R.T. 0.00 min
 Lab File: VU034829.D
 Acq: 26 Sep 2019 01:49

Tgt Ion:128 Resp: 191753
 Ion Ratio Lower Upper
 128 100
 127 14.2 10.8 16.2
 129 10.7 8.6 12.8

